Author Index of Volume 58

Aeiyach, S., 267
Aichmann, W., 343
An, H., 335
Angély, L., 51
Aonuma, S., 29
Assadi, A., 187

Bässler, H., 39
Biesemans, M., 325
Binh, N. T., 39
Blau, W., 161
Bowman, G. E., 383
Byrne, H. J., 161

Caple, G., 383
Cardin, D. J., 161
Carlsen, P. H. J., 115
Charlier, A., 95
Charlier, M. F., 95
Cornelison, D. M., 383
Cui, C. Q., 147

Danno, T., 257
Davey, A. P., 161
Delhaes, P., 223
Delmotte, A., 325
Dhawan, S. K., 309
Dousek, F. P., 63
Doyen-Lang, S., 95
Dyachenko, O. A., 137

Fischer, W., 77
Fukuyama, M., 367

Garrigou-Lagrange, C., 223
Gautun, O. R., 115
Gielen, M., 325
Gogolin, A. A., 217
Goldenberg, L. M., 271
Graupner, W., 77
Gritsenko, V. V., 137
Gupta, S. K., 373

Hellberg, J., 187, 295
Hino, N., 109
Howard, I. A., 195

Ishizawa, R., 335

Juárez-Posadas, J., 73

Kastner, J., 257
Kato, R., 29
Katsuta, A., 131
Kavan, L., 63
Kobayashi, H., 29
Kobayashi, S., 335
Koike, T., 123
Kojima, T., 367
Krische, B., 295
Kudoh, Y., 367
Kuzmany, H., 257

Lacaze, P. C., 267, 271
Lang, L., 95
Laukhina, E. E., 137
Lee, J. Y., 147
Leising, G., 77
Le Maguerès, P., 223
Le Paillard, M. P., 223
Lezama-Ramírez, R., 73
Li, Y., 17

Maeda, Y., 131
Mårdalen, J., 115
McRae, E., 95
Meijer, E. W., 325
Minh, L. Q., 39
Müller, H.-P., 343

Naarmann, H., 233
Nagase, J., 353
Nanai, N., 367
Nishio, S., 123
Nomura, K., 109

Okano, Y., 29
Ong, L. H., 147
Ouahab, L., 223

Page, H., 161
Pasquali, M., 1
Pistoia, G., 1
Porter, T. L., 383

Qian, R., 17

Radhakrishnan, S., 243
Rahier, H., 325
Rault-Berthelot, J., 51
Rhodes, J. L., 195
Rima, G., 267
Robert, A., 223
Robles-Martínez, J. G., 73
Rosati, R., 1

Saini, D. R., 243
Salmerón-Valverde, A., 73
Sambongi, T., 109
Samuelsen, E. J., 115
Sankarapapavinasam, S., 173
Satgé, J., 267
Sato, H., 353
Sato, K., 335
Sawa, H., 29
Shilov, G. V., 137
Soriano-García, M., 73
Stelzer, F., 77
Sutton, S. J., 391
Svensson, C., 187

Tadaki, S., 109
Takeda, S., 123
Tan, T. C., 147
Tanaka, K., 123
Taylor, D. M., 373
Toscano, R. A., 73
Toupet, L., 223
Trivedi, D. C., 309

Underhill, A. E., 373

van Eyk, S. J., 233
Vaughan, A. S., 391

Wainwright, C. E. A., 373
Willander, M., 187
Wonneberger, W., 343

Yagubskii, E. B., 137
Yamabe, T., 123
Yan, B., 17
Yang, J., 17
Yata, S., 123
Yi, S. H., 353
Yoshimura, S., 367
Yosomiya, R., 335

Zagorska, M., 295
Zehe, A., 73

Subject Index of Volume 58

Alkali metal
electron transport and localization in alkali metal-doped C_{60} and C_{70}, 217
Alkylammonium [Ni(dmit)$_2$] and [Ni(mnt)$_2$]
monolayer behaviour of monovalent and divalent salts of long-chain alkylammonium [Ni(dmit)$_2$] and alkylammonium [Ni(mnt)$_2$], 373
3-Alkylthiophenes
synthesis and studies of polythiophenes substituted with polydeuterated side chains. Isotope effects in the polymerization of 3-alkylthiophenes, 115
m-Aminophenol
permeability and electrocatalytic properties of film prepared by electropolymerization of *m*-aminophenol, 173
Anhydrous acetonitrile
cyclic voltammetry of polypyrrole in anhydrous acetonitrile, 17
Anodic synthesis
anodic synthesis of poly(*p*-phenylene), 271

Bithiophenes
bithiophenes as starting monomers for polythiophene syntheses, 295
Block copolymers
photoinduced absorption in polyacetylene–polynorbornene block copolymers, 77

Carbon
carbynoid species in electrochemical polymeric carbon, 63
Carbynoid species
carbynoid species in electrochemical polymeric carbon, 63
Charge transfer
theoretical study of charge transfer in graphite intercalation compounds, 95
evaluation of the degree of intramolecular charge transfer in aryl-substituted TTF, 223
Charge transport
photoconduction in poly(3-alkylthiophene)
II. Charge transport, 39
Complexing properties
complexing properties of poly-dibenzocrown ether resins towards inorganic cations. Case of poly-DB18-C6, 51
Conjugated polymer
polaron propagation through defects in a conjugated polymer, 195
Copper
synthesis of DMe-DCNQI-d_7 and deuterium-induced metal–insulator transition of (DMe-DCNQI-d_7)$_2$Cu, 29
Crystals
electrochemical synthesis of crystalline organopolygermanes by reduction of diorganodichlorogermanes, 267
Cyclic potential sweep deposition
measurement of the extent of impurity incorporation during potentiostatic and cyclic potential sweep depositions of polyaniline, 147
Cyclic voltammetry
storage characteristics of polyanilines. An investigation by cyclic voltammetry and impedance spectroscopy, 1
cyclic voltammetry of polypyrrole in anhydrous acetonitrile, 17

Defects
polaron propagation through defects in a conjugated polymer, 195
Deuterium
synthesis of DMe-DCNQI-d_7 and deuterium-induced metal–insulator transition of (DMe-DCNQI-d_7)$_2$Cu, 29
2,7-Dinitro-9-fluorenone
preparation and characterization of a 1:1 complex of tetrathiafulvalene and 2,7-dinitro-9-fluorenone (TTF–DNF), 73
Doping
chemical doping of polyacenic semiconductive material with various Lewis acids of bulky size, 123

electron transport and localization in alkali metal-doped C_{60} and C_{70}, 217
in situ spectroscopic investigation of the doping process in poly(3-octylthiophene), 257
junction properties of ClO_4^--doped poly(methylquinoline) with indium, 335

Electrical properties
structure development and electrical properties of polypyrrole deposited on poly(ethylene oxide) complexes, 243
effects of mono-substituted phenol additives on the electrical and mechanical properties of electrochemically synthesized polypyrrole, 367
Electrocatalytic properties
permeability and electrocatalytic properties of film prepared by electropolymerization of *m*-aminophenol, 173
Electrochemical polymeric carbon
carbynoid species in electrochemical polymeric carbon, 63
Electrochemical synthesis
electrochemical synthesis of crystalline organopolygermanes by reduction of diorganodichlorogermanes, 267
Electrodes
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131
Electronic structure
spatial variation in electronic structure for electrochemically plated hydroxyaniline thin films, 383
Electron transport and localization
electron transport and localization in alkali metal-doped C_{60} and C_{70}, 217
Electropolymerization
permeability and electrocatalytic properties of film prepared by electropolymerization of *m*-aminophenol, 173

Field-effect transistors
fabrication and characterization of Schottky gate poly(3-alkylthiophene) planar field-effect transistors, 187
Films
spatial variation in electronic structure for electrochemically plated hydroxyaniline thin films, 383
Fullerenes
electron transport and localization in alkali metal-doped C_{60} and C_{70}, 217

Germanium
electrochemical synthesis of crystalline organopolygermanes by reduction of diorganodichlorogermanes, 267
Graphite intercalation
theoretical study of charge transfer in graphite intercalation compounds, 95
Group 10 transition-metal thienyl systems
nonlinear optical studies of Group 10 transition-metal thienyl systems, 161
Growth
on the growth of polypyrrole from solutions of methanol and water, 391

Hydroxyaniline
spatial variation in electronic structure for electrochemically plated hydroxyaniline thin films, 383

Impedance spectroscopy
storage characteristics of polyanilines. An investigation by cyclic voltammetry and impedance spectroscopy, 1
Impurity incorporation
measurement of the extent of impurity incorporation during potentiostatic and cyclic potential sweep depositions of polyaniline, 147
Indium
junction properties of ClO_4^--doped poly(methylquinoline) with indium, 335
Iron
some structural features of the conducting layer in the radical cation $[Pt(dddt)_2]_2FeCl_4$ salt, 137
Isotope effects
synthesis and studies of polythiophenes substituted with polydeuterated side chains. Isotope effects in the polymerization of 3-alkylthiophenes, 115

Junction properties
junction properties of ClO_4^--doped poly(methylquinoline) with indium, 335

Lewis acids
chemical doping of polyacenic semiconductive material with various Lewis acids of bulky size, 123

Mechanical properties
effects of mono-substituted phenol additives on the electrical and mechanical properties of electrochemically synthesized polypyrrole, 367
Metal–insulator transition
synthesis of DMe-DCNQI-d_7 and deuterium-induced metal–insulator transition of (DMe-DCNQI-d_7)$_2$Cu, 29
Monolayer behaviour
monolayer behaviour of monovalent and divalent salts of long-chain alkylammonium [Ni(dmit)$_2$] and alkylammonium [Ni(mnt)$_2$], 373

Nickel
monolayer behaviour of monovalent and divalent salts of long-chain alkylammonium [Ni(dmit)$_2$] and alkylammonium [Ni(mnt)$_2$], 373
Nonlinear optical studies
nonlinear optical studies of Group 10 transition-metal thienyl systems, 161

Organopolygermanes
electrochemical synthesis of crystalline organopolygermanes by reduction of diorganodichlorogermanes, 267
Organosilicon polymers
synthesis and characterization of soluble organosilicon polymers containing regularly repeated thiophene or terthiophene units, 353

Permeability
permeability and electrocatalytic properties of film prepared by electropolymerization of *m*-aminophenol, 173
Phason response
descreened phason response in two dimensions, 343
Photoconduction
photoconduction in poly(3-alkylthiophene)
II. Charge transport, 39
Photoinduced absorption
photoinduced absorption in polyacetylene–polynorbornene block copolymers, 77
Photoproducts
formation of poly(2,5-dibutoxy-1,4-phenylenevinylene) at room temperature in $CHCl_3$ catalysed by $CHCl_3$ photoproducts, 325
Polaron propagation
polaron propagation through defects in a conjugated polymer, 195
Poly(2,5-dibutoxy-1,4-phenylenevinylene)
formation of poly(2,5-dibutoxy-1,4-phenylenevinylene) at room temperature in $CHCl_3$ catalysed by $CHCl_3$ photoproducts, 325
Poly(3-alkylthiophene)
photoconduction in poly(3-alkylthiophene)
II. Charge transport, 39
fabrication and characterization of Schottky gate poly(3-alkylthiophene) planar field-effect transistors, 187
Poly(3-octylthiophene)
in situ spectroscopic investigation of the doping process in poly(3-octylthiophene), 257
Polyacenic semiconductive material
chemical doping of polyacenic semiconductive material with various Lewis acids of bulky size, 123
Polyacetylene
photoinduced absorption in polyacetylene–polynorbornene block copolymers, 77
Polyaniline
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131
measurement of the extent of impurity incorporation during potentiostatic and cyclic potential sweep depositions of polyaniline, 147
investigations on the effect of 5-sulfosalicylic acid on the properties of polyaniline, 309

Polyanilines
storage characteristics of polyanilines. An investigation by cyclic voltammetry and impedance spectroscopy, 1
Poly-dibenzo-crown ether resins
complexing properties of poly-dibenzo-crown ether resins towards inorganic cations. Case of poly-DB18-C6, 51
Poly(ethylene oxide)
structure development and electrical properties of polypyrrole deposited on poly(ethylene oxide) complexes, 243
Polymerization
synthesis and studies of polythiophenes substituted with polydeuterated side chains. Isotope effects in the polymerization of 3-alkylthiophenes, 115
Poly(methylquinoline)
junction properties of ClO_4^--doped poly(methylquinoline) with indium, 335
Poly(*N*-methylaniline)
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131
Polynorbornene
photoinduced absorption in polyacetylene–polynorbornene block copolymers, 77
Poly(*o*-methylaniline)
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131
Poly(*p*-phenylene)
anodic synthesis of poly(*p*-phenylene), 271
Polypyrrole
cyclic voltammetry of polypyrrole in anhydrous acetonitrile, 17
structure development and electrical properties of polypyrrole deposited on poly(ethylene oxide) complexes, 243
effects of mono-substituted phenol additives on the electrical and mechanical properties of electrochemically synthesized polypyrrole, 367
on the growth of polypyrrole from solutions of methanol and water, 391
Polypyrrole model
approaches to a polypyrrole model, 233
Polythiophene
bithiophenes as starting monomers for polythiophene syntheses, 295
Polythiophenes
synthesis and studies of polythiophenes substituted with polydeuterated side chains. Isotope effects in the polymerization of 3-alkylthiophenes, 115
Potentiostatic deposition
measurement of the extent of impurity incorporation during potentiostatic and cyclic potential sweep depositions of polyaniline, 147
$[Pt(dddt)_2]_2FeCl_4$ salt
some structural features of the conducting layer in the radical cation $[Pt(dddt)_2]_2FeCl_4$ salt, 137

Resins
complexing properties of poly-dibenzo-crown ether resins towards inorganic cations. Case of poly-DB18-C6, 51

Schottky gate
fabrication and characterization of Schottky gate poly(3-alkylthiophene) planar field-effect transistors, 187
Shubnikov de Haas study
Shubnikov de Haas study of $TaTe_4$, 109
Spatial variation
spatial variation in electronic structure for electrochemically plated hydroxyaniline thin films, 383
Spectroscopy
in situ spectroscopic investigation of the doping process in poly(3-octylthiophene), 257
Storage characteristics
storage characteristics of polyanilines. An investigation by cyclic voltammetry and impedance spectroscopy, 1
Structural features
some structural features of the conducting layer in the radical cation $[Pt(dddt)_2]_2FeCl_4$ salt, 137
Structure development
structure development and electrical properties of polypyrrole deposited on poly(ethylene oxide) complexes, 243

5-Sulfosalicylic acid
investigations on the effect of 5-sulfosalicylic acid on the properties of polyaniline, 309
Synthesis
synthesis and studies of polythiophenes substituted with polydeuterated side chains. Isotope effects in the polymerization of 3-alkylthiophenes, 115
anodic synthesis of poly(*p*-phenylene), 271
bithiophenes as starting monomers for polythiophene syntheses, 295
synthesis and characterization of soluble organosilicon polymers containing regularly repeated thiophene or terthiophene units, 353

Tantalum
Shubnikov de Haas study of $TaTe_4$, 109
Tellurium
Shubnikov de Haas study of $TaTe_4$, 109
Tetrathiafulvalene
preparation and characterization of a 1:1 complex of tetrathiafulvalene and 2,7-dinitro-9-fluorenone (TTF–DNF), 73
Thermal behavior
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131
Thienyl systems
nonlinear optical studies of Group 10 transition-metal thienyl systems, 161
TTF
evaluation of the degree of intramolecular charge transfer in aryl-substituted TTF, 223

Zinc
comparison of the thermal behavior of polyaniline, poly(*o*-methylaniline) and poly(*N*-methylaniline) electrodes in $ZnSO_4$ aqueous solution, 131